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ABSTRACT

The 1979-80 results of a building utilization study of Toledo, Ohio, junior and senior high schools are presented in this report. The schools were ranked in eight general areas: educational adequacy, operating costs, current and projected enrollment, environment, alternate use, modernization potential, capacity, and traffic and safety. Space, sanitation, utility and special services facilities were assessed to determine each school's compliance with accepted standards for educational adequacy, school ratings for modernization potential considered such factors as the age, condition and usage of the structure, aesthetics, renovation complexity, code compliance, and access for handicapped. Information is recorded in the form of tables, charts and graphs. (JCD)

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TOLEDO PUBLIC SCHOOLS

BUILDING UTILIZATION STUDY

1979 - 1980 SCHOOL YEAR

JUNIOR AND SENIOR HIGH SCHOOL BUILDINGS

Submitted to:
Dr. Donald J. Steele, Jr.
Superintendent
Toledo Public Schools
March 25, 1980

TOLEDO PUBLIC SCHOOLS
BUILDING UTILIZATION STUDY

As a result of recommendations made to the Toledo Board of Education in the CCEG report, and due to a recent decline in student enrollment, the Toledo Public School system has conducted a building utilization study.

This study was undertaken by Ray McNeill under the direction of Hugh Caumartin, acting assistant superintendent for Administrative Services, and assisted by Craig Cotner, assistant director, Urban Pilot Project. Much additional time and information were contributed to the study by Joe Coley, manager, Business Affairs and Financial Services; John Matheny, assistant business manager; William Lehrer, executive director, Elementary Education; Ken Morris, executive director, Secondary Education; Barbara Washington and Tom Bollin, supervisors of elementary principals; Art Just; Robert Pearson and Dave Coon.

As a result of discussions and an extensive review of the available literature, a building utilization instrument was created. This survey tool enabled us to rank the schools based on the total score achieved in eight general categories. A list of those categories and a brief explanation of each one follows:

	CATEGORY	POINTS
1.	Educational Adequacy	20
2.	Operating Costs	20
3.	Enrollment, current and projected	20
4.	Environment	10
5.	Alternate Use	10
6.	Modernization Potential	8
7.	Capacity	8
8.	Traffic and Safety	4
	TOTAL	100

1. Educational Adequacy

This portion assessed the ability of the facility to meet the requirements of a good instructional program. The language used is taken primarily from the Ohio Minimum Standards for Schools.

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3. Enrollment, current and projected

This item deals with the relationship of enrollment to capacity. Figures used are for both current and projected enrollment. Capacity was determined by multiplying the number of classrooms in a building by 25. Projections were based on a school's retention rate for the past three years.

4. Environmental Impact

This section evaluates the environment in the area adjacent to the school. Factors rated included noise and air pollution, play area, lighting and security, neighborhood blight and flooding.

5. Alternate Use

This portion analyses the possibility of non-school use for the present school facilities. This includes a study of location, zoning, and the degree of interest in the building and/or site expressed by others.

6. Modernization Potential

This is a rating of schools based on modernization potential. Factors considered include: age and general condition of the structure, renovation complexity and code compliance, and an evaluation of the school's current access for the physically handicapped.

7. Capacity

Credit is awarded if a school meets or exceeds the optimum size generally recommended.

8. Traffic and Safety

This section rates schools based on traffic and other hazards, and the degree to which those hazards are controlled. Also included is an evaluation of those factors which make a building safe.

The process to complete the study involved numerous individuals and four phases.

The initial phase was a data gathering process. The Toledo Public Schools' business department supplied the necessary information for the Operating Cost and Alternate Use categories. The Toledo Public Schools' engineering staff supplied the data required to complete the Environmental Impact, Modernization Potential, and Traffic and Safety categories. Finally, the Building Utilization Staff gathered the facts for the Capacity category along with each school's current and five year projected enrollment.

The second phase of the study involved the building Utilization Staff in a simple, but tedious task, of transferring the above information to the respective pages of each school's survey instrument.

The third, and possibly the most important phase, entailed meetings with each of the seventy five (75) building principals. During these meetings each principal reviewed and evaluated the information which concerned his/her building. They then supplied the information necessary to complete the Educational Adequacy and Enrollment portions of the survey and participated in the final scoring of his/her school.

It should also be noted that on the survey instrument provisions were made for indicating any special circumstances that might presently affect, or soon affect, a specific building. This information was provided by building principals, the business department, the system's engineers, and the Lucas County Planning Commission. The following are examples of circumstances that were noted: present and possible future housing growth and the need for additional major expenditures for such items as boilers, windows, roofs, flood control, plumbing, and electrical work.

The fourth phase of the survey required that the Building Utilization Staff rank each school according to their total score, and that the Staff put all of the newly gathered information into detailed chart and graph form. All rankings, charts, and graphs for either elementary buildings or junior and senior high buildings are included in this report.

A more detailed study will be done involving those schools ranked below a cut off line, yet to be determined. This additional study could formulate suggestions to improve the rating of a particular school or schools.

With slight modification, the present survey instrument could be used in an annual review of the school facilities.

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ALL SCHOOLS

Spring	86.3	Start	71.2	DeVilbiss	59.1
Chase	85.4	Waite	71.1	Stewart	59.0
Newbury	82.0	Riverside	69.8	Jones	58.6
Reynolds	81.2	Pickett	69.7	Robinson	57.3
Keyser	81.1	Fulton	68.9	Libbey	56.9
Bowsher	80.3	Edgewater	68.6	Franklin	56.6
E.S. Central	80.2	Woodward	68.6	Harvard	56.6
Glenwood	79.6	Walbridge	68.3	Kleis	56.3
Lagrange	77.9	Arlington	68.0	Lincoln	56.2
Larchmont	77.8	Old West End	67.3	Gunckel	55.3
Hale	77.6	DeVeaux	66.9	Warren	54.7
Marshall	77.6	Birmingham	66.5	Sherman	54.2
Mt. Vernon	77.4	Navarre	65.8	Washington	53.6
Crossgates	75.9	Whittier	65.6	Raymer	53.0
McKinley	75.8	Ottawa River	65.3	Cherry	52.9
Garfield	75.3	Hamilton	64.7	Macomber-Whitney	52.0
Burroughs	75.1	Hawkins	64.2	Glann	51.2
Old Orchard	73.8	Elmhurst	63.4	Patterson	49.8
East Toledo	73.5	McTigue	62.6	Ryder	48.3
Byrnedale	73.1	Glendale-Feilbach	62.4	Jefferson Center	46.9
Fall Meyer	73.0	Mayfair	62.4	Martin	46.6
Longfellow	72.5	King	62.3	Collingwood	43.4
Westfield	72.5	Oakdale	60.9	Scott	42.9
Rogers	72.2	Stickney	60.2	Spencer Sharples	41.9
Heather Downs	71.6	Beverly	59.9	Point Place	39.1

ELEMENTARY SCHOOLS

Spring	86.3	Westfield	72.5	Oakdale	60.9
Chase	85.4	Heather Downs	71.6	Stickney	60.2
Newbury	82.0	Riverside	69.8	Beverly	59.9
Reynolds	81.2	Pickett	69.7	Stewart	59.0
Keyser	81.1	Fulton	68.9	Franklin	56.6
E.S. Central	80.2	Edgewater	68.6	Harvard	56.6
Glenwood	79.6	Walbridge	68.3	Kleis	56.3
Lagrange	77.9	Arlington	68.0	Lincoln	56.2
Larchmont	77.8	DeVeaux	66.9	Gunckel	55.3
Nathan Hale	77.6	Birmingham	66.5	Warren	54.7
Marshall	77.6	Navarre	65.8	Sherman	54.2
Mt. Vernon	77.4	Whittier	65.6	Washington	53.6
Crossgates	75.9	Ottawa River	65.3	Raymer	53.0
McKinley	75.8	Hamilton	64.7	Cherry	52.9
Garfield	75.3	Hawkins	64.2	Glann	51.2
Burroughs	75.1	Elmhurst	63.4	Patterson	49.8
Old Orchard	73.8	Glendale-Feilbach	62.4	Ryder	48.3
Fall-Meyer	73.0	Mayfair	62.4	Martin	46.6
Longfellow	72.5	King	62.3	Collingwood	43.4

JUNIOR HIGH SCHOOLS

East Toledo Jr. High	73.5
Byrnedale Jr. High	73.1
Old West End Jr. High	67.3
McTigue Jr. High	62.6
Jones Jr. High	58.6
Robinson Jr. High	57.3
Point Place Jr. High	39.1

SENIOR HIGH SCHOOLS

Bowsher High School	80.3
Rogers High School	72.2
Start High School	71.2
Waite High School	71.1
Woodward High School	68.6
DeVilbiss High School	59.1
Libbey High School	56.9
Macomber-Whitney High School	52.0
Jefferson Center	46.9
Scott High School	42.9
Spencer Sharples High School	41.9

SCHOOL RANKINGS BY TOTALING MODERNIZATION POTENTIAL, ENROLLMENT, AND OPERATING COST

The following school rankings are based on a total of three categories: Modernization Potential, Enrollment, and Operating Cost. These rankings were done due to information gained from Toledo Public School's 1979 Needs Assessment. Those surveyed indicated that the above three items were the most important factors to consider when studying possible school closures.

Elementary

Spring	39.4	Longfellow	25.8	Glann	15.0
Glenwood	38.8	Fall-Meyer	25.8	Mayfair	15.0
Newbury	38.0	Crossgates	24.4	Patterson	15.0
Chase	37.2	Stickney	24.0	Hawkins	14.6
E. S. Central	36.2	Ottawa River	23.2	Franklin	14.4
Keyser	35.8	Navarre	23.2	King	14.4
Westfield	35.0	Pickett	22.2	Beverly	14.2
Reynolds	35.0	Hamilton	22.0	Stewart	13.4
Mt. Vernon	35.0	Whittier	22.0	Sherman	12.8
Lagrange	34.6	Edgewater	21.8	Cherry	12.6
Hale	32.8	Fulton	21.2	Elmhurst	12.0
McKinley	32.4	Heather Downs	21.0	Glendale-Feilbach	11.4
Marshall	28.2	Walbridge	20.8	Washington	10.6
Burroughs	27.0	Birmingham	20.4	Gunckel	10.4
Larchmont	27.0	DeVeaux	20.2	Warren	9.8
Riverside	27.0	Arlington	19.0	Harvard	8.4
Old Orchard	26.4	Oakdale	18.2	Raymer	8.2
Garfield	26.0	Martin	18.0	Kleis	6.6
Collingwood	26.0	Lincoln	17.8	Ryder	6.4

Jr. High

East Toledo	26.4
Byrnedale	24.8
Old West End	20.6
McTigue	16.8
Jones	12.6
Robinson	8.6
Point Place	4.6

High School

Bowsher	38.0
Rogers	27.8
Start	24.2
Waite	24.0
Woodward	22.8
Libbey	17.4
Macomber-Whitney	15.0
DeVilbiss	12.0
Scott	5.6
Spencer Sharples	4.2

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ITEM	WEIGHTING FACTOR	SCHOOL _____
1. Educational adequacy	20%	_____
2. Operating costs	20%	_____
3. Enrollment, current and projected	20%	_____
4. Environment	10%	_____
5. Alternate use	10%	_____
6. Modernization Potential	8%	_____
7. Capacity	8%	_____
8. Traffic and Safety	4%	_____
TOTALS	100%	

Educational Adequacy	Compliance	Qualified Compliance	Non Compliance
1. The building is so located, constructed and equipped as to meet the needs of the educational program and to safeguard the health and safety of the pupils	20	10	0
2. The sanitary facilities, lighting, water supply and heating and ventilation are as prescribed by appropriate governmental agencies.	20	10	0
3. The building has sufficient number of classrooms of proper size to meet the needs of the enrollment and also the educational program.	20	10	0
4. The building has adequate office and other required related space which will provide for efficient administration.	20	10	0
5. The building has adequate facilities for P.E., health care, food service, library/media center and other required special services.	20	10	0
Total per cent --- 20% Each factor worth --- 20%			

OPERATION COSTS - 20%

RATING OF SCHOOLS BASED ON OPERATING COSTS

	MORE THAN 25% ABOVE	WITHIN 10-25% ABOVE AVE.	AVERAGE ± 10%	WITHIN 10-25% BELOW AVE.	MORE THAN 25% BELOW
1. Overhead per student including building support personnel, utilities, expendable supplies related to support services.	0	5	10	15	20
2. Overhead per student including all criteria as above plus capital improvement.	0	5	10	15	20
3. Overhead per square foot including support costs.	0	5	10	15	20
4. Overhead per square foot including support costs and capital improvement.	0	5	10	15	20
	OIL	GAS	ELEC/GAS	ELEC	COAL
5. Utility factor relating to type and availability of fuel used to heat/cool building	2	8	10	12	20
TOTAL	2	28	50	72	100

Lower the number, more the cost

Total per cent 20%

Each factor worth 20%

ENROLLMENT 20%

	90-100%	70-90%	Below 70%
Present enrollment to capacity	50	25	0
Projected enrollment to capacity	50	25	0
	100	50	0

TOTAL PER CENT 20

EACH FACTOR WORTH 50%

ENVIRONMENTAL IMPACT (10%)

RATING OF SCHOOLS BASED ON ENVIRONMENTAL IMPACT

FACTOR	POOR	AVERAGE	GOOD
1. Noise Pollution	0	8	10
2. Air Pollution	0	5	10
3. Open Space (Passive Use)	5	10	15
4. Exterior Lighting	5	7	10
5. Site Security	5	7	10
6. Neighborhood Blight	0	8	20
7. Flooding	0	5	10
8. Play Area	5	10	15
	20	60	100

Higher the number --- better the environment

Total per cent --- 10%

Total of factors --- 100%

ALTERNATIVE USES - 10%

1. Expressed Interest	HIGH - 0	MODERATE - 20	LOW - 35
2. Zoning/Possibility or Re-zoning	GOOD -10	FAIR - 25	POOR- 50
3. Location a. Access to Transportation	GOOD - 0	MODERATE - 3	POOR- 7
b. General Convenience	GOOD - 0	MODERATE - 4	POOR- 8
TOTAL	10	52	100

NOTES:

1. Expressed Interest - this factor has to do with whether or not a degree of interest has been expressed by outside parties in the particular property. If it is assessed that a relatively high degree of interest has been expressed in the property, an indication that an alternative use for the property can easily be found, then 0 points would be awarded. If a moderate of interest has been expressed then 20 points would be awarded, etc.

2. The Zoning factor or the possibility of zoning has to do with whether or not the property is zoned for uses other than school uses or if the property is assessed to have a high possibility of re-zoning. Some alternative uses may not require re-zoning, if this is the case then the zoning factor should be considered at the same time factor #1 expressed interest is considered.

MODERNIZATION POTENTIAL (8%)

RATING OF SCHOOLS BASED ON MODERNIZATION POTENTIAL

FACTOR	POOR	AVERAGE	GOOD
1. Age of Structure	0	5	10
2. General Condition of Structure	0	10	20
3. Usage of Structure	0	5	10
4. Asthetics	0	5	10
5. Renovation Complexity	0	10	20
6. Code Compliance	0	8	15
7. Access for Handicapped	0	10	15
TOTAL	0	53	100

Higher the number --- greater the potential

Total per cent --- 8%

Total of factors --- 100%

CAPACITY - (8%)

• Elementary	300 students considered optimum
• Junior High	500 students considered optimum
• Senior High	1,200 students considered optimum

If schools meet capacity or surpass get 8%.

TRAFFIC AND SAFETY (4%)

RATING OF SCHOOLS BASED ON TRAFFIC & SAFETY CONSIDERATION

	FACTOR	POOR	AVERAGE	GOOD
	EXTERIOR			
1.	Traffic Density	0	6	12
2.	Traffic Patterns	0	3	6
3.	Traffic Controls	0	6	12
4.	Sidewalks	0	6	12
5.	Parking	0	6	12
6.	Other Hazards (Railroads, Ponds, Rivers, etc.)	0	3	6
	INTERIOR			
1.	Fire Alarm	0	6	12
2.	Ingress - Egress	0	5	10
3.	Structural Hazards (Buckled Floors, Hanging Pipes, etc.)	0	4	8
4.	Code Compliance	0	5	10
	TOTAL	0	50	100

Higher the number --- better the condition

Total per cent --- 4%

Total of factors --- 100%

Total Ranking JR. HIGH SCHOOLS	Poss. Score 100.0	Educational Adequacy Possible Score 20.0	Operating Costs Possible Score 20.0	Enrollment - Current/Proj. Possible Score 20.0	Environment Possible Score 10.0	Alternative Use Possible Score 10.0	Modernization Potential Possible Score 8.0	Capacity Possible Score 8.0	Traffic and Safety Possible Score 4.0
East Toledo	73.5	20.0	15.4	5.0	7.8	8.9	6.0	8.0	2.4
Byrnedale	73.1	20.0	13.4	5.0	9.0	8.5	6.4	8.0	2.8
Old West End	67.3	20.0	8.4	5.0	6.3	8.9	7.2	8.0	3.5
McTigue	62.6	20.0	12.6	0.0	8.2	7.1	4.2	8.0	2.5
Jones	58.6	20.0	8.6	0.0	7.3	8.5	4.0	8.0	2.2
Robinson	57.3	20.0	5.6	0.0	8.5	10.0	3.0	8.0	2.2
Point Place	39.1	16.0	4.6	0.0	7.7	8.9	0.0	0.0	1.9

Educational Adequacy Alphabetical Listing - Total per cent - 20 Each factor worth 20% JR. HIGH SCHOOLS	TOTAL	Building location meets the educational needs of the students	Appropriate sanitary facilities, lighting, water supply, and ventilation	Sufficient number of classrooms to meet programs	Adequate office space	Adequate facilities for P.E., health care, food service, and library/media
Byrnedale	.20x100= 20.0	20	20	20	20	20
East Toledo	.20x100= 20.0	20	20	20	20	20
Jones	.20x100= 20.0	20	20	20	20	20
McTigue	.20x100= 20.0	20	20	20	20	20
Old West End	.20x100= 20.0	20	20	20	20	20
Point Place	.20x80= 16.0	10	20	20	20	10
Robinson	.20x100= 20.0	20	20	20	20	20

Operation Costs Alphabetical listing - Total Per cent - 20 Each factor worth 20%		Overhead per student inlcuding building support personnel, utilities, and expendable supplies related to support services	Overhead per student including all building support costs plus capital improvements from the 1979 calendar year.	Overhead per square foot including support costs	Overhead per square foot including support costs and capital improvements from the 1979 calendar year	Utility factor relating to type and availability of fuel used to heat/cool building
JR. HIGH SCHOOLS	TOTAL	Average Cost=$216.17	Average Cost=$260.75	Average Cost=$1.48	Average Cost=$[illegible]	
Byrnedale	.20x67= 13.4	15	20	10	10	12
East Toledo	.20x77= 15.4	20	20	10	15	12
Jones	.20x43= 8.6	5	5	15	10	8
McTigue	.20x63= 12.6	15	20	10	10	8
Old West End	.20x42= 8.4	10	10	5	5	12
Point Place	.20x23= 4.6	0	0	10	5	8
Robinson	.20x28= 5.6	0	0	10	10	8
NOTE ON THE SCORING		MORE THAN 25% ABOVE AVERAGE COST = 0	WITHIN 10-25% ABOVE AVERAGE COST = 5	± 10% OF AVERAGE COST = 10	WITHIN 10-25% BELOW AVERAGE COST = 15	MORE THAN 25% BELOW AVERAGE COSTS = 20

Enrollment-Current/Projected Alphabetical Listing Each factor worth 20% JR. HIGH SCHOOLS	TOTAL	Present Enrollment to capacity 90 - 100% of capacity = 50 70 - 89% of capacity = 25 below 70% of capacity = 0	Projected 5 year enrollment to capacity 90 - 100% of capacity = 50 70 - 89% of capacity = 25 below 70% of capacity = 0
Byrnedale	.20x25= 5.0	25	0
East Toledo	.20x25= 5.0	25	0
Jones	.20x0= 0.0	0	0
McTigue	.20x0= 0.0	0	0
Old West End	.20x25= 5.0	25	0
Point Place	.20x0= 0.0	0	0
Robinson	.20x0= 0.0	0	0

Environmental Impact Alphabetical Listing Total Per cent - 10 JR. HIGH SCHOOLS	TOTAL	Noise Pollution Poor - 0 Average - 8 Good - 10	Air Pollution Poor - 0 Average - 5 Good - 10	Open Space Poor - 5 Average -10 Good -15	Exterior Lighting Poor - 5 Average- 7 Good -10	Site Security Poor - 5 Average - 7 Good - 10	Neighborhood Blight Poor - 0 Average - 8 Good -20	Flooding Poor - 0 Average- 5 Good -10	Play Area Poor - 5 Average -10 Good -15
Byrnedale	.10x90= 9.0	8	10	15	10	7	20	10	10
East Toledo	.10x78= 7.8	8	5	15	10	10	20	5	5
Jones	.10x73= 7.3	0	5	15	10	10	8	10	15
McTigue	.10x82= 8.2	8	10	15	7	7	20	5	10
Old West End	.10x63= 6.3	0	5	5	10	10	8	10	15
Point Place	.10x77= 7.7	10	10	15	7	10	20	0	5
Robinson	.10x85= 8.5	10	10	15	10	7	8	10	15

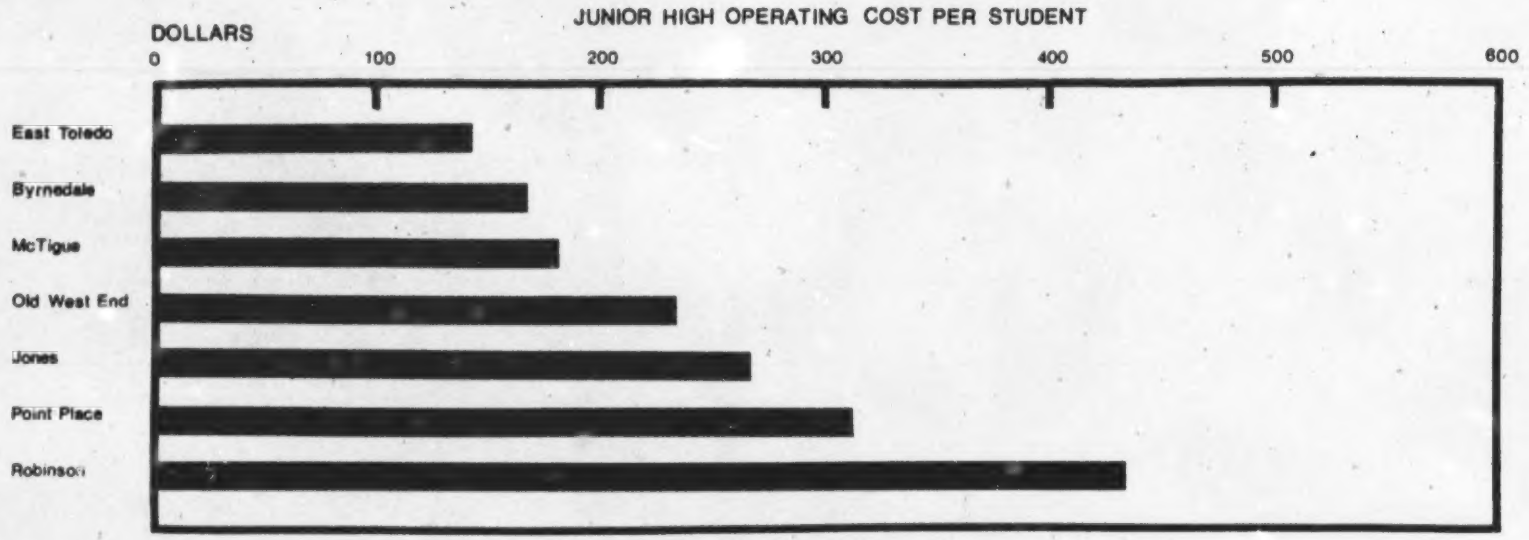
Alternative Uses Alphabetical Listing Total per cent - 10 JR. HIGH SCHOOLS	TOTAL	Expressed Interest High - 0 Moderate - 20 Low - 35	Zoning/Possibility of Rezoning Good - 10 Fair - 25 Poor - 50	Location - Access to Transportation Good - 0 Moderate - 3 Poor - 7	Location - General Convenience Good - 0 Moderate - 4 Poor - 8
Byrnedale	.10x85= 8.5	35	50	0	0
East Toledo	.10x89= 8.9	35	50	0	4
Jones	.10x85= 8.5	35	50	0	0
McTigue	.10x71= 7.1	35	25	7	4
Old West End	.10x89= 8.9	35	50	0	4
Point Place	.10x89= 8.9	35	50	0	4
Robinson	.10x100= 10.0	35	50	7	8

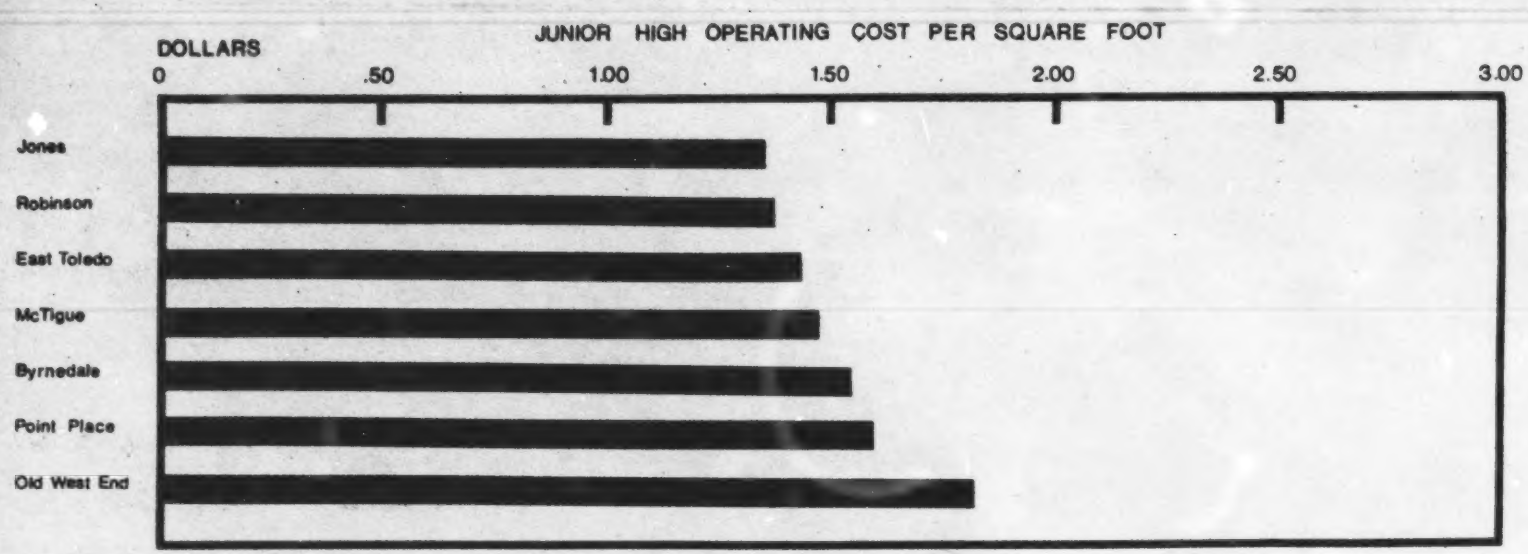
Modernization Potential Alphabetical Listing Total per cent - 8 JR. HIGH SCHOOLS	TOTAL	Age of Structure Poor - 0 Average - 5 Good - 10	General Condition of Structure Poor - 0 Average - 10 Good - 20	Usage of Structure Poor - 0 Average - 5 Good - 10	Asthetics Poor - 0 Average - 5 Good -10	Renovation Complexity Poor - 0 Average -10 Good -20	Code Compliance Poor - 0 Average - 8 Good - 15	Access for Handicapped Poor - 0 Average -10 Good -15
Byrnedale	.08x80= 6.4	10	20	10	10	0	15	15
East Toledo	.08x75= 6.0	10	20	10	5	0	15	15
Jones	.08x50= 4.0	5	10	5	5	10	15	0
McTigue	.08x53= 4.2	5	10	10	0	10	8	10
Old West End	.08x90= 7.2	10	20	10	10	10	15	15
Point Place	.08x0= 0.0	0	0	0	0	0	0	0
Robinson	.08x38= 3.0	5	10	0	5	10	8	0

Capacity Alphabetical Listing Total per cent - 8 JR. HIGH SCHOOLS	TOTAL	At or above capacity - 8% Capacity for a junior high = 500 students consdered optimum	Below capacity - 0%
Byrnedale	8	8	
East Toledo	8	8	
Jones	8	8	
McTigue	8	8	
Old West End	8	8	
Point Place	0		0
Robinson	8	8	

Traffic and Safety
Alphabetical Listing
Total per cent - 4

JR. HIGH SCHOOLS	TOTAL	Traffic Density Good -12 Avg. - 6 Poor - 0	Traffic Patterns Good - 6 Avg. - 3 Poor - 0	Traffic Controls Good -12 Avg. - 6 Poor - 0	Sidewalks Good -12 Avg. - 6 Poor - 0	Parking Good -12 Avg. - 6 Poor - 0	Other Hazards Good - 6 Avg. - 3 Poor - 0	Fire Alarm Good -12 Avg. - 6 Poor - 0	Ingress/ Egress Good -10 Avg. - 5 Poor - 0	Structural Hazards Good - 8 Avg. - 4 Poor - 0	Code Compliance Good -10 Avg. - 5 Poor - 0
Byrnedale	.04x70= 2.8	0	0	6	6	12	6	12	10	8	10
East Toledo	.04x61= 2.4	6	3	6	6	0	0	12	10	8	10
Jones	.04x55= 2.2	0	3	12	6	6	3	6	5	4	10
McTigue	.04x62= 2.48	12	0	0	0	12	3	12	5	8	10
Old West End	.04x88= 3.5	0	6	12	12	12	6	12	10	8	10
Point Place	.04x48= 1.9	6	6	12	12	12	0	0	0	0	0
Robinson	.04x55= 2.2	12	0	0	6	0	6	12	10	4	5


JUNIOR HIGH OPERATING COST PER STUDENT
DOLLARS
0
100
200
300
400
500
600
East Toledo
Byrnedale
McTigue
Old West End
Jones
Point Place
Robinson


JUNIOR HIGH OPERATING COST PER SQUARE FOOT
DOLLARS
0
.50
1.00
1.50
2.00
2.50
3.00
Jones
Robinson
East Toledo
McTigue
Byrnedale
Point Place
Old West End

Total Ranking HIGH SCHOOLS	Poss. Score 100.0	Educational Adequacy Possible Score 20.0	Operating Costs Possible Score 20.0	Enrollment - Current/Proj. Possible Score 20.0	Environment Possible Score 10.0	Alternative Use Possible Score 10.0	Modernization Potential Possible Score 8.0	Capacity Possible Score 8.0	Traffic and Safety Possible Score 4.0
Bowsher	80.3	14.0	14.6	20.0	8.8	8.5	3.4	8.0	3.0
Rogers	72.2	18.0	17.0	5.0	9.5	6.7	5.8	8.0	2.2
Start	71.2	20.0	13.0	5.0	9.0	8.5	6.2	8,0	1.5
Waite	71.1	20.0	11.0	10.0	8.3	8.5	3.0	8.0	2.3
Woodward	68.6	18.0	9.4	10.0	8.5	8.5	3.4	8.0	2.8
DeVilbiss	59.1	20.0	7.0	0.0	8.0	8.5	5.0	8.0	2.6
Libbey	56.9	18.0	9.0	5.0	5.3	6.0	3.4	8.0	2.2
Macomber/Whitney	52.0	20.0	11.6	0.0	3.7	3.0	3.4	8.0	2.3
Jefferson	46.9	18.0	7.6	0.0	6.1	8.5	3.8	0.0	2,9
Scott	42.9	14.0	3.0	0.0	5.3	8.5	2.6	8.0	1.5
Spencer Sharples	41.9	20.0	0.4	0.0	8.8	6.0	3.8	0,0	2.9

Educational Adequacy Alphabetical Listing - Total per cent - 20 Each factor worth 20%		Building location meets the educational needs of the students	Appropriate sanitary facilities, lighting, water supply, and ventilation	Sufficient number of classrooms to meet programs	Adequate office space	Adequate facilities for P.E., health care, food service, and library/media
HIGH SCHOOLS	TOTAL					
Bowsher	.20x70= 14.0	20	20	10	10	10
DeVilbiss	.20x100= 20.0	20	20	20	20	20
Jefferson	.20x90= 18.0	20	20	20	10	20
Libbey	.20x90= 18.0	20	20	20	10	20
Macomber-Whitney	.20x100= 20.0	20	20	20	20	20
Rogers	.20x90= 18.0	10	20	20	20	20
Scott	.20x70= 14.0	20	10	10	20	10
Spencer Sharples	.20x100= 20.0	20	20	20	20	20
Start	.20x100= 20.0	20	20	20	20	20
Waite	.20x100= 20.0	20	20	20	20	20
Woodward	.20x90= 18.0	20	20	20	20	10

Operation Costs Alphabetical listing - Total Per cent - 20 Each factor worth 20%		Overhead per student inlcuding building support personnel, utilities, and expendable supplies related to support services	Overhead per student including all building support costs plus capital improvements from the 1979 calendar year.	Overhead per square foot including support costs	Overhead per square foot including support costs and capital improvements from the 1979 calendar year	Utility factor relating to type and availability of fuel used to heat/cool building
HIGH SCHOOLS	TOTAL	Average Cost = $262.61	Average Cost = $316.57	Average Cost = $1.53	Average Cost = $1.64	
Bowsher	.20x73= 14.6	20	20	10	15	8
DeVilbiss	.20x35= 7.0	0	5	10	10	10
Jefferson	.20x38= 7.6	0	0	15	15	8
Libbey	.20x45= 9.0	5	10	10	10	10
Macomber-Whitney	.20x58= 11.6	10	10	15	15	8
Rogers	.20x85= 17.0	15	20	15	15	20
Scott	.20x15= 3.0	0	5	0	0	10
Spencer Sharples	.20x02= 0.4	0	0	0	0	2
Start	.20x65= 13.0	15	20	10	10	10
Waite	.20x55= 11.0	10	15	10	10	10
Woodward	.20x47= 9.4	10	15	10	10	2
NOTE ON THE SCORING		MORE THAN 25% ABOVE AVERAGE COST = 0	WITHIN 10-25% ABOVE AVERAGE COST = 5	± 10% OF AVERAGE COST = 10	WITHIN 10-25% BELOW AVERAGE COST = 15	MORE THAN 25% BELOW AVERAGE COSTS = 20

Enrollment-Current/Projected Alphabetical Listing Each factor worth 20%		Present Enrollment to capacity 90 - 100% of capacity = 50 70 - 89% of capacity = 25 below 70% of capacity = 0	Projected 5 year enrollment to capacity 90 - 100% of capacity = 50 70 - 89% of capacity = 25 below 70% of capacity = 0
HIGH SCHOOLS	TOTAL		
Bowsher	.20x100= 20.0	50	50
DeVilbiss	.20x0= 0.0	0	0
Jefferson	.20x0= 0.0	0	0
Libbey	.20x25= 5.0	25	0
Macomber- Whitney	.20x0= 0.0	0	0
Rogers	.20x25= 5.0	25	0
Scott	.20x0= 0.0	0	0
Spencer Sharples	.20x0= 0.0	0	0
Start	.20x25= 5.0	25	0
Waite	.20x50= 10.0	25	25
Woodward	.20x50= 10.0	50	0

Environmental Impact Alphabetical Listing Total Per cent - 10		Noise Pollution	Air Pollution	Open Space	Exterior Lighting	Site Security	Neighborhood Blight	Flooding	Play Area
		Poor - 0 Average - 8 Good - 10	Poor - 0 Average - 5 Good - 10	Poor - 5 Average -10 Good -15	Poor - 5 Average- 7 Good -10	Poor - 5 Average - 7 Good - 10	Poor - 0 Average - 8 Good -20	Poor - 0 Average- 5 Good -10	Poor - 5 Average -10 Good -15
HIGH SCHOOLS	TOTAL								
Bowsher	.10x88= 8.8	8	10	10	10	10	20	5	15
DeVilbiss	.10x80= 8.0	8	5	15	10	7	20	5	10
Jefferson	.10x61= 6.1	8	5	5	10	10	8	10	5
Libbey	.10x53= 5.3	8	5	10	10	7	8	0	5
Macomber-Whitney	.10x37= 3.7	0	5	5	5	7	0	10	5
Rogers	.10x95= 9.5	10	10	15	10	5	20	10	15
Scott	.10x53= 5.3	8	5	10	10	5	0	10	5
Spencer Sharples	.10x88= 8.8	10	10	15	10	10	8	10	15
Start	.10x90= 9.0	10	10	15	10	5	20	5	15
Waite	.10x83= 8.3	8	5	15	10	10	20	10	5
Woodward	.10x85= 8.5	10	10	10	10	10	20	10	5

Alternative Uses Alphabetical Listing Total per cent - 10		Expressed Interest	Zoning/Possibility of Rezoning	Location - Access to Transportation	Location - General Convenience
		High - 0 Moderate - 20 Low - 35	Good - 10 Fair - 25 Poor - 50	Good - 0 Moderate - 3 Poor - 7	Good - 0 Moderate - 4 Poor - 8
HIGH SCHOOLS	TOTAL				
Bowsher	.10x85= 8.5	35	50	0	0
DeVilbiss	.10x85= 8.5	35	50	0	0
Jefferson	.10x85= 8.5	35	50	0	0
Libbey	.10x60= 6.0	35	25	0	0
Macomber-Whitney	.10x30= 3.0	20	10	0	0
Rogers	.10x67= 6.7	35	25	3	4
Scott	.10x85= 8.5	35	50	0	0
Spencer Sharples	.10x60= 6.0	35	10	7	8
Start	.10x85= 8.5	35	50	0	0
Waite	.10x85= 8.5	35	50	0	0
Woodward	.10x85= 8.5	35	50	0	0

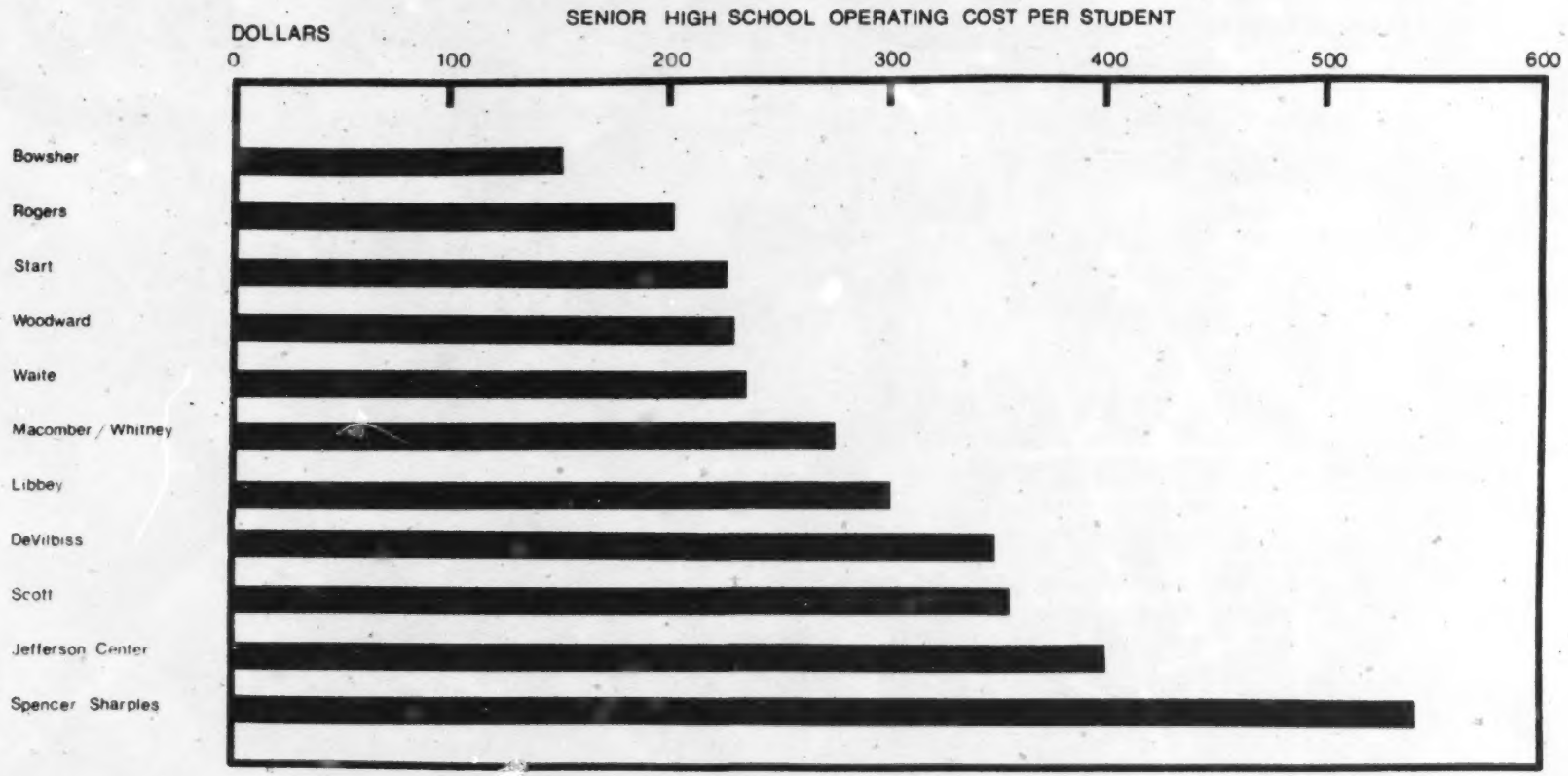
Modernization Potential Alphabetical Listing Total per cent - 8 HIGH SCHOOLS	TOTAL	Age of Structure Poor - 0 Average - 5 Good - 10	General Condition of Structure Poor - 0 Average - 10 Good - 20	Usage of Structure Poor - 0 Average - 5 Good - 10	Asthetics Poor - 0 Average - 5 Good -10	Renovation Complexity Poor - 0 Average -10 Good -20	Code Compliance Poor - 0 Average - 8 Good - 15	Access for Handicapped Poor - 0 Average -10 Good -15
Bowsher	.08x43= 3.4	10	10	10	5	0	8	0
DeVilbiss	.08x63= 5.0	5	10	5	10	10	8	15
Jefferson	.08x48= 3.8	0	10	5	10	0	8	15
Libbey	.08x43= 3.4	5	10	0	10	10	8	0
Macomber-Whitney	.08x43= 3.4	5	10	10	0	10	8	0
Rogers	.08x73= 5.8	10	20	10	0	10	8	15
Scott	.08x33= 2.6	0	10	5	10	0	8	0
Spencer Sharples	.08x48= 3.8	5	10	0	0	10	8	15
Start	.08x78= 6.2	10	10	10	5	20	8	15
Waite	.08x38= 3.0	0	10	10	10	0	8	0
Woodward	.08x43= 3.4	5	10	10	0	10	8	0

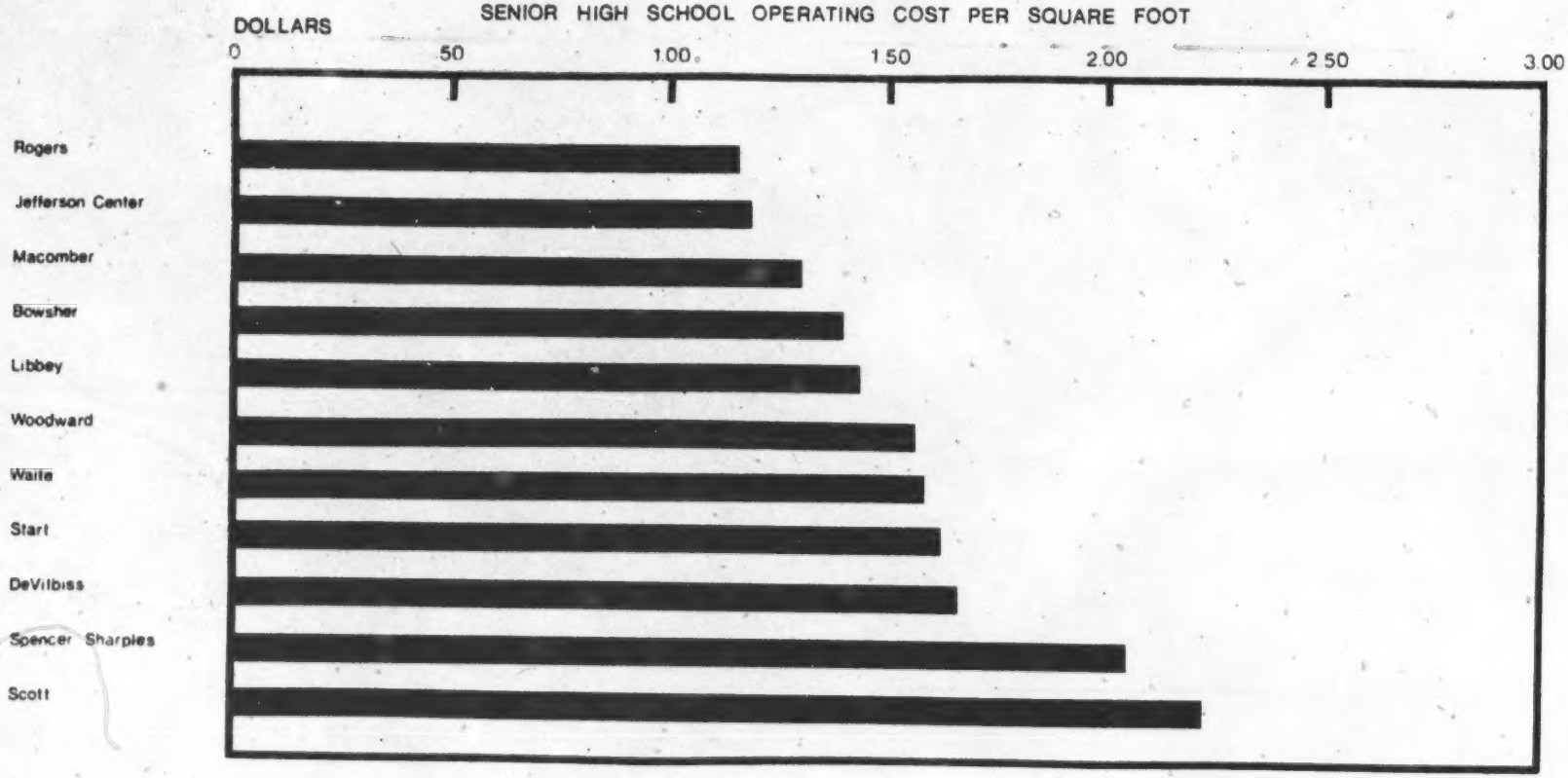
Capacity
Alphabetical Listing
Total per cent - 8

HIGH SCHOOLS	TOTAL	At or above capacity - 8% Capacity for a senior high = 1200 students consdered optimum	Below capacity - 0
Bowsher	8	8	
DeVilbiss	8	8	
Jefferson	0		0
Libbey	8	8	
Macomber-Whitney	8	8	
Rogers	8	8	
Scott	8	8	
Spencer Sharples	0		0
Start	8	8	
Waite	8	8	
Woodward	8	8	

Traffic and Safety
Alphabetical Listing
Total per cent - 4

HIGH SCHOOLS	TOTAL	Traffic Density Good -12 Avg. - 6 Poor - 0	Traffic Patterns Good - 6 Avg. - 3 Poor - 0	Traffic Controls Good -12 Avg. - 6 Poor - 0	Sidewalks Good -12 Avg. - 6 Poor - 0	Parking Good -12 Avg. - 6 Poor - 0	Other Hazards Good - 6 Avg. - 3 Poor - 0	Fire Alarm Good -12 Avg. - 6 Poor - 0	Ingress/ Egress Good -10 Avg. - 5 Poor - 0	Structural Hazards Good - 8 Avg. - 4 Poor - 0	Code Compliance Good -10 Avg. - 5 Poor - 0
Bowsher	.04x74= 2.96	6	6	12	12	12	0	12	5	4	5
DeVilbiss	.04x65= 2.6	6	6	6	12	12	3	6	5	4	5
Jefferson	.04x73= 2.9	0	6	12	12	6	6	12	10	4	5
Libbey	.04x56= 2.2	6	0	0	12	12	0	12	5	4	5
Macomber-Whitney	.04x57= 2.28	0	6	6	12	6	0	12	10	0	5
Rogers	.04x55= 2.2	6	0	0	0	12	6	12	10	4	5
Scott	.04x38= 1.5	0	0	0	12	0	6	6	5	4	5
Spencer Sharples	.04x73= 2.9	12	6	12	0	12	6	6	10	4	5
Start	.04x38= 1.5	6	0	0	6	0	0	12	5	4	5
Waite	.04x58= 2.3	6	0	0	12	12	6	12	5	0	5
Woodward	.04x70= 2.8	12	0	6	12	12	6	12	5	0	5


SENIOR HIGH SCHOOL OPERATING COST PER STUDENT
DOLLARS
0
100
200
300
400
500
600
Bowsher
Rogers
Start
Woodward
Waite
Macomber / Whitney
Libbey
DeVilbiss
Scott
Jefferson Center
Spencer Sharples


SENIOR HIGH SCHOOL OPERATING COST PER SQUARE FOOT
DOLLARS
0
.50
1.00
1.50
2.00
2.50
3.00
Rogers
Jefferson Center
Macomber
Bowsher
Libbey
Woodward
Waite
Start
DeVilbiss
Spencer Sharples
Scott